

Data File : VW012979.D
Acq On : 14 Sep 2019 02:59
Operator : SY/VA
Sample : K4786-05
Misc : 6.35G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP3

Quant Time: Sep 14 04:28:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	282799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	428290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	351216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	140297	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	148506	56.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.72%	
35) Dibromofluoromethane	7.88	113	127001	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
50) Toluene-d8	10.32	98	502121	55.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.44%	
62) 4-Bromofluorobenzene	12.62	95	152034	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	

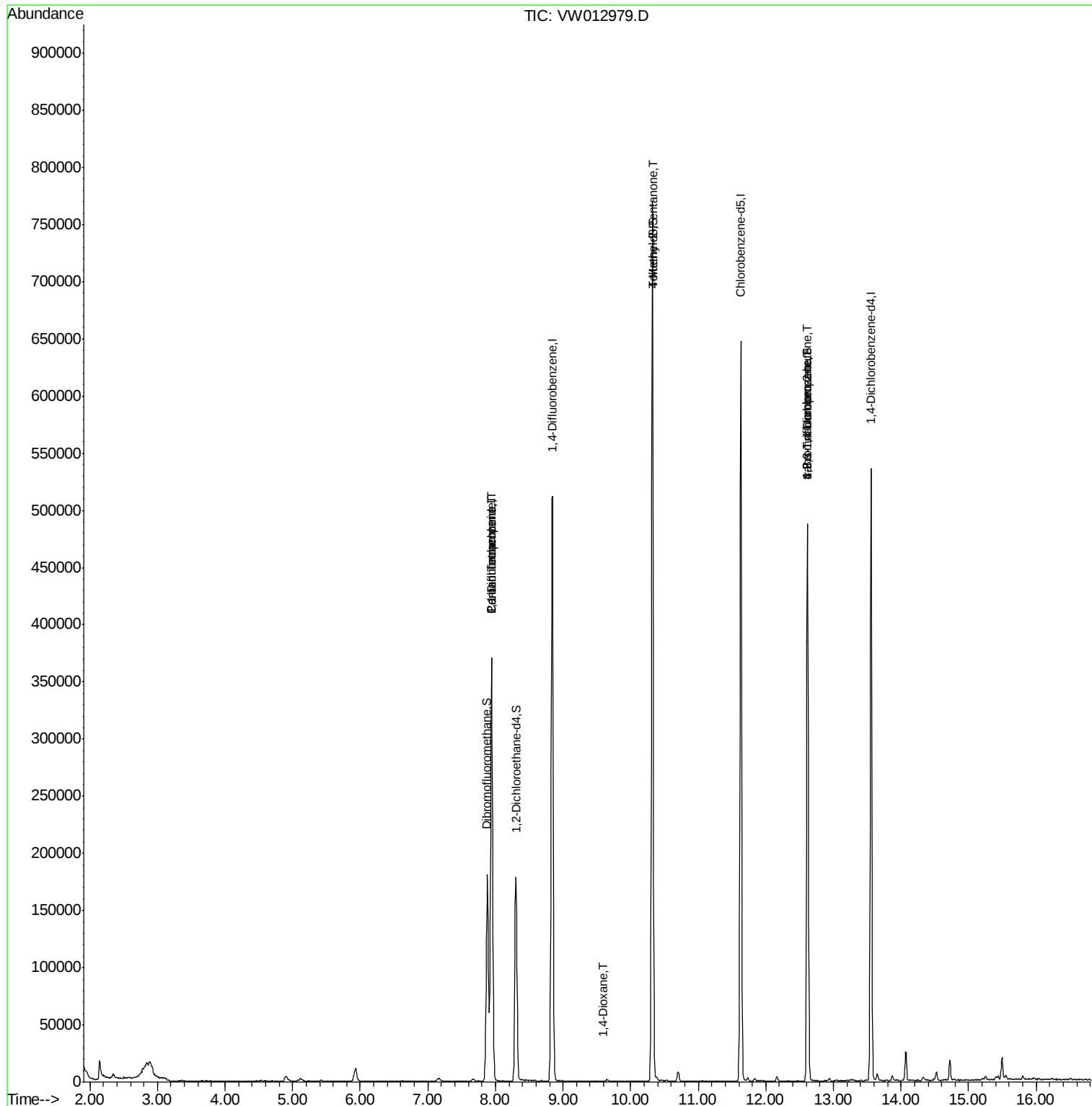
Target Compounds			Qvalue				
2) Dichlorodifluoromethane	2.05	85	19	Below Cal	#	44	
3) Chloromethane	2.21	50	167	Below Cal	#	78	
11) Tert butyl alcohol	5.10	59	2251	Below Cal	#	80	
13) Acrolein	3.89	56	39	Below Cal		96	
16) Acetone	4.08	43	24	Below Cal	#	47	
20) Methylene Chloride	4.90	84	3112	Below Cal	#	89	
26) 2,2-Dichloropropane	7.17	77	27	Below Cal	#	55	
31) Cyclohexane	7.94	56	6249	Below Cal	#	1	
36) 1,1-Dichloropropene	7.94	75	21086	6.161	ug/l #	53	
38) Carbon Tetrachloride	7.95	117	28142	8.024	ug/l #	16	
49) 1,4-Dioxane	9.59	88	28	1.374	ug/l #	20	
51) 4-Methyl-2-Pentanone	10.32	43	3004	1.668	ug/l #	1	
76) 1,2,3-Trichloropropane	12.62	75	79018	64.300	ug/l #	100	
81) trans-1,4-Dichloro-2-buten	12.62	75	79018	145.864	ug/l #	7	

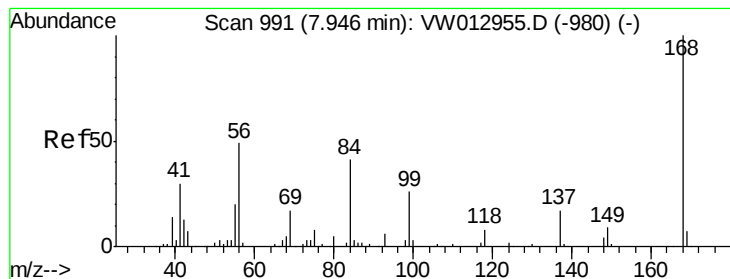
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012979.D

Acq: 14 Sep 2019 02:59

Instrument :

MSVOA_W

ClientSampled :

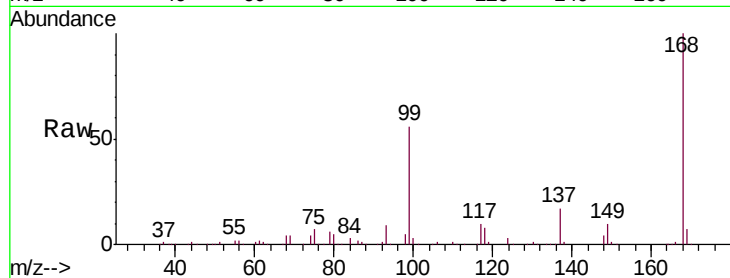
TP3

Tgt Ion:168 Resp: 282799

Ion Ratio Lower Upper

168 100

99 56.0 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

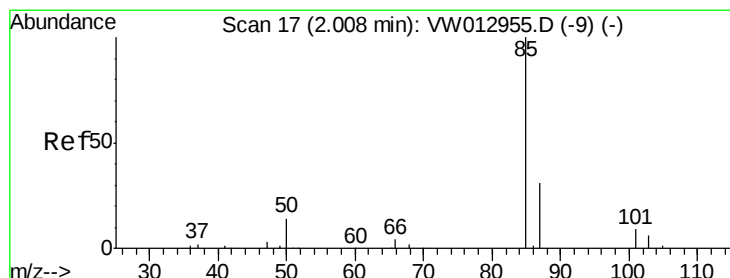
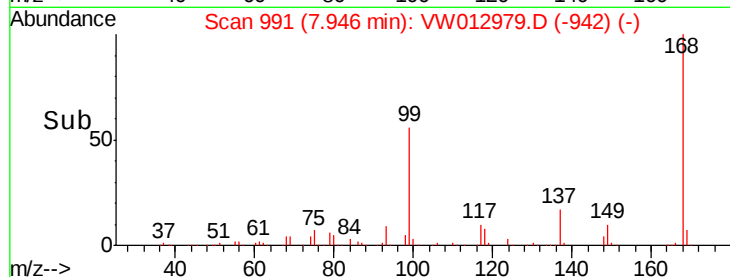
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.05 min Scan# 24

Delta R.T. 0.04 min

Lab File: VW012979.D

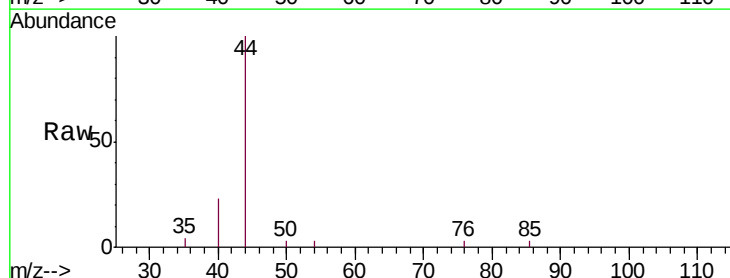
Acq: 14 Sep 2019 02:59

Tgt Ion: 85 Resp: 19

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.05

60

50

40

30

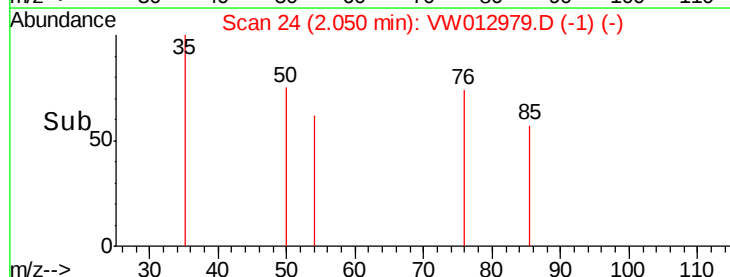
20

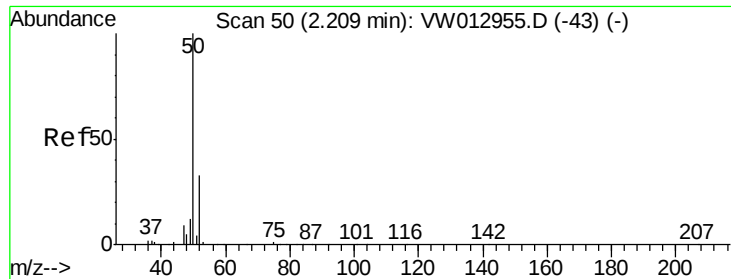
10

0

Time-->

2.03 2.04 2.05 2.06 2.07





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012979.D

Acq: 14 Sep 2019 02:59

Instrument :

MSVOA_W

ClientSampled :

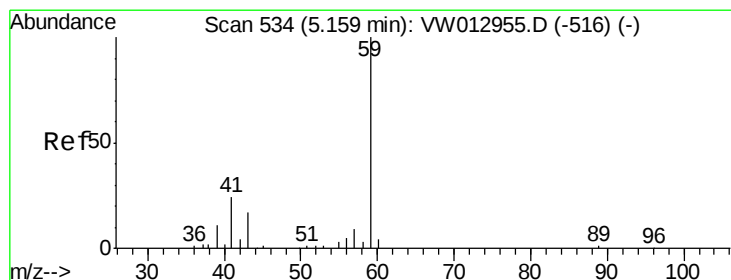
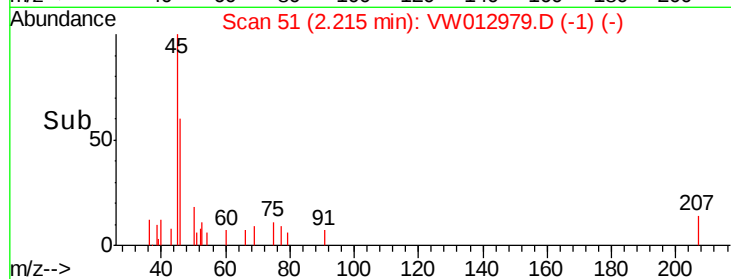
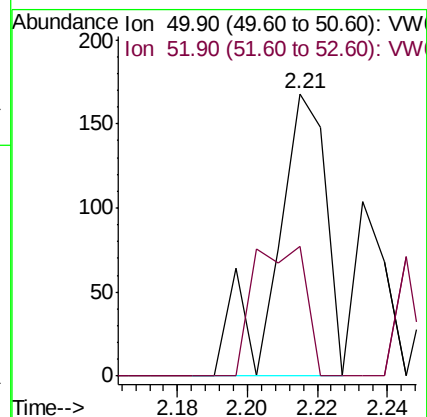
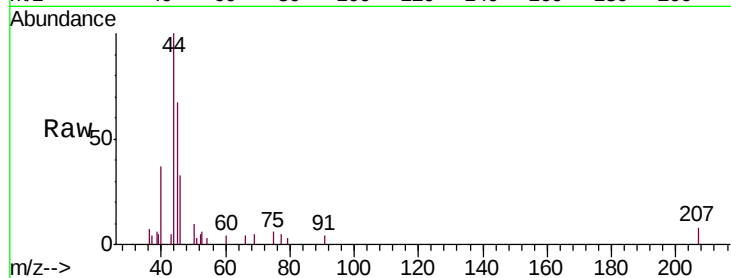
TP3

Tgt Ion: 50 Resp: 167

Ion Ratio Lower Upper

50 100

52 45.8 26.6 39.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.10 min Scan# 525

Delta R.T. -0.05 min

Lab File: VW012979.D

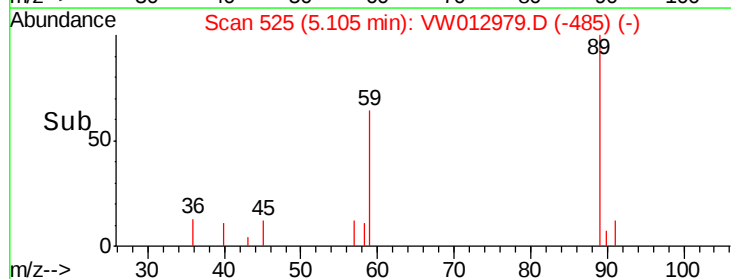
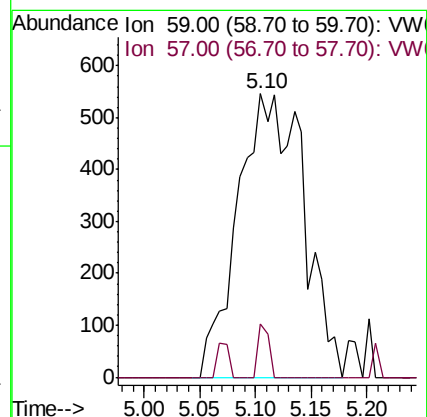
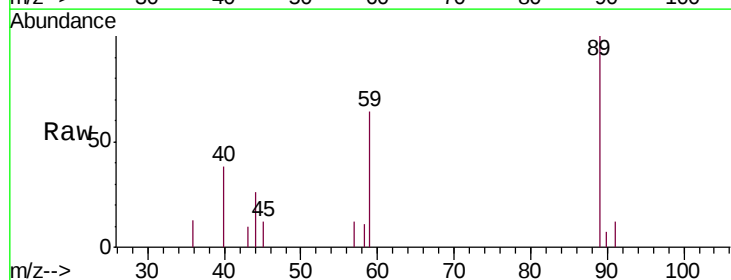
Acq: 14 Sep 2019 02:59

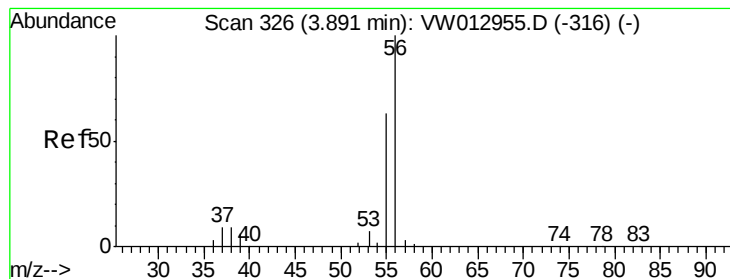
Tgt Ion: 59 Resp: 2251

Ion Ratio Lower Upper

59 100

57 3.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012979.D

Acq: 14 Sep 2019 02:59

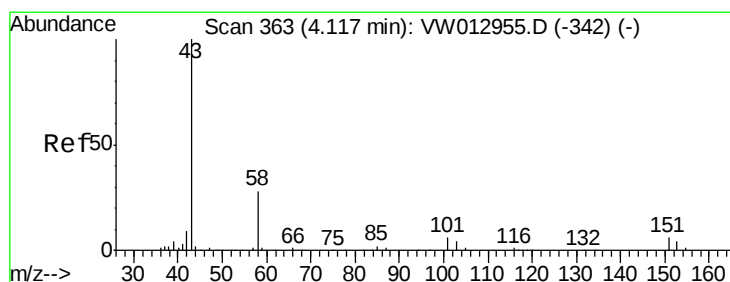
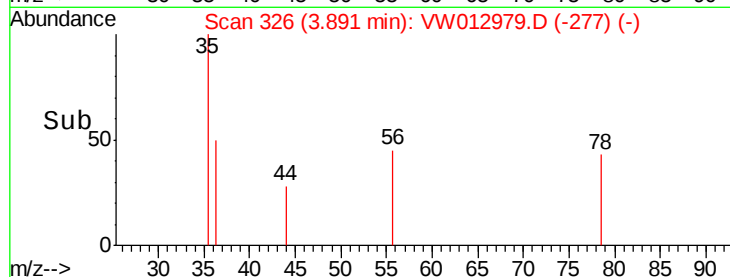
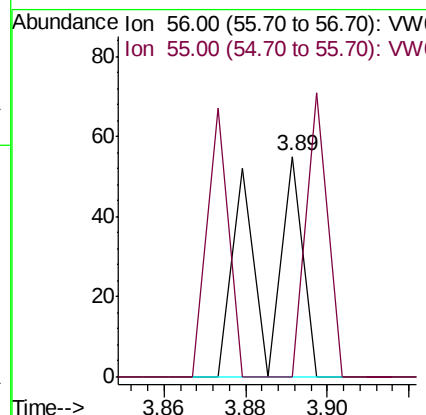
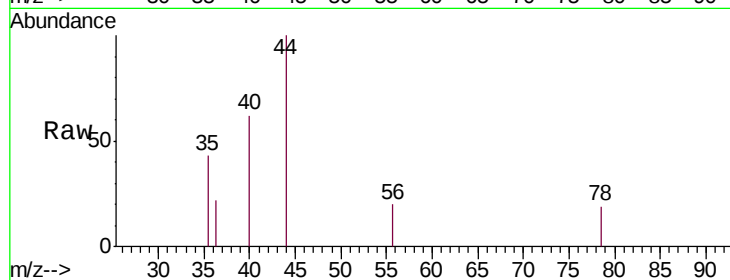
Instrument :
MSVOA_W
ClientSampled :
TP3

Tgt Ion: 56 Resp: 39

Ion Ratio Lower Upper

56 100

55 66.7 55.8 83.8



#16

Acetone

Concen: Below Cal

RT: 4.08 min Scan# 357

Delta R.T. -0.04 min

Lab File: VW012979.D

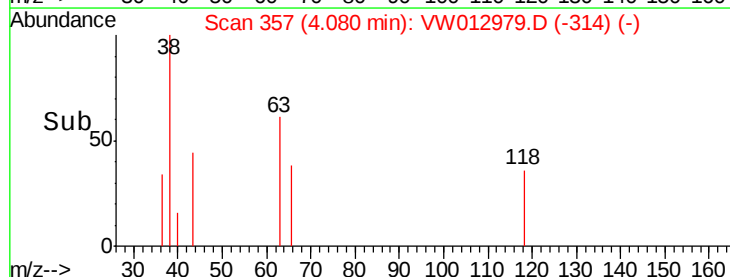
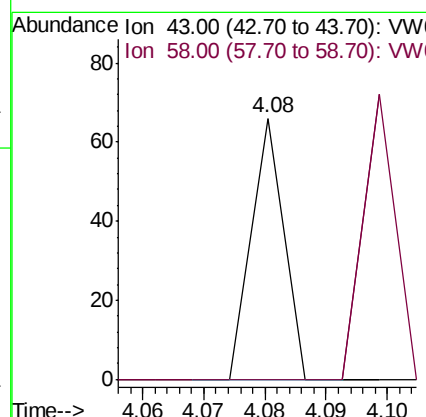
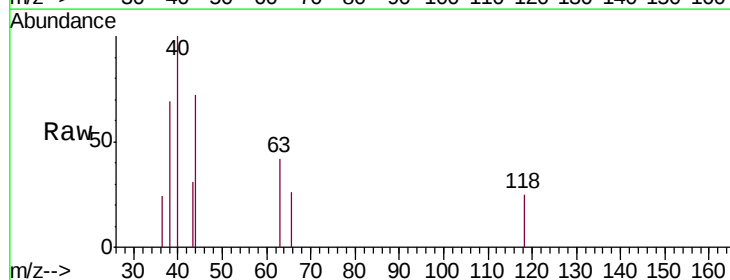
Acq: 14 Sep 2019 02:59

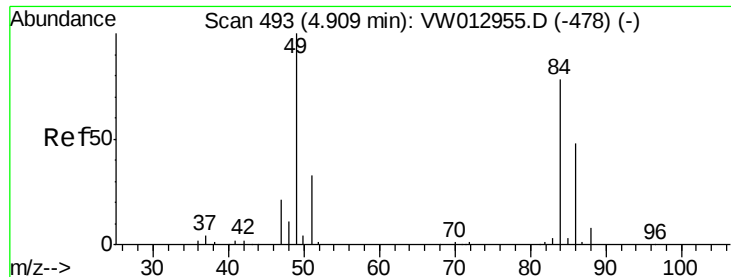
Tgt Ion: 43 Resp: 24

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 491

Delta R.T. -0.01 min

Lab File: VW012979.D

Acq: 14 Sep 2019 02:59

Instrument :

MSVOA_W

ClientSampleId :

TP3

Tgt Ion: 84 Resp: 3112

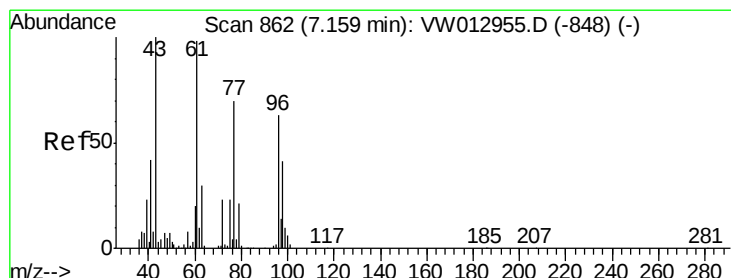
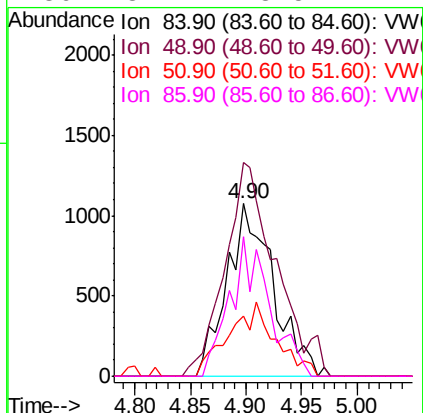
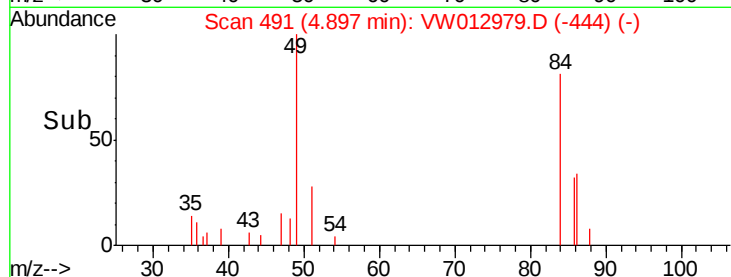
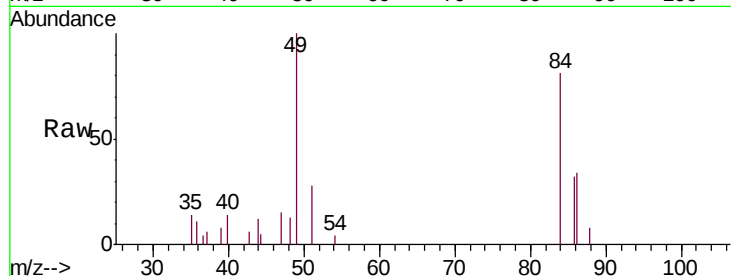
Ion Ratio Lower Upper

84 100

49 123.8 102.0 153.0

51 35.2 34.0 51.0

86 81.1 48.5 72.7#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW012979.D

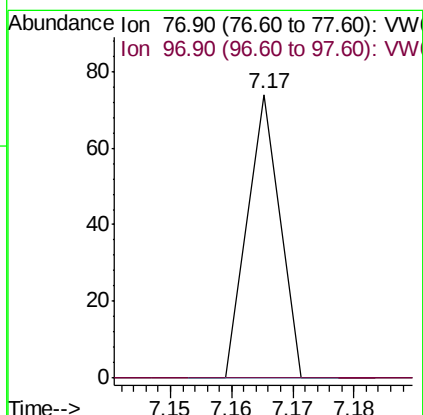
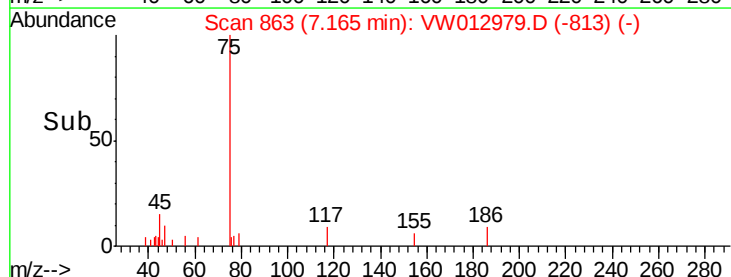
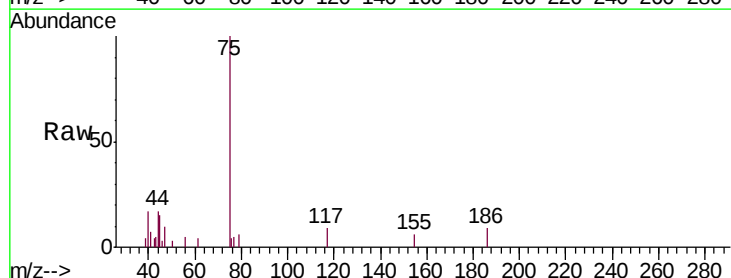
Acq: 14 Sep 2019 02:59

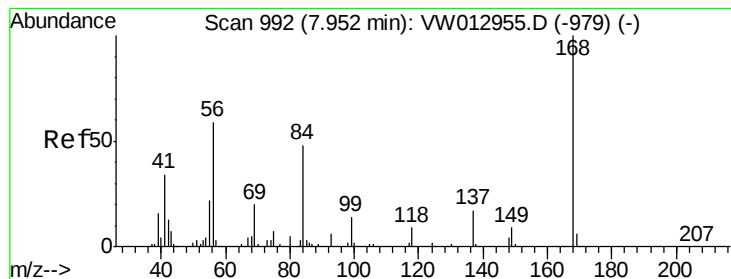
Tgt Ion: 77 Resp: 27

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012979.D

Acq: 14 Sep 2019 02:59

Instrument :

MSVOA_W

ClientSampled :

TP3

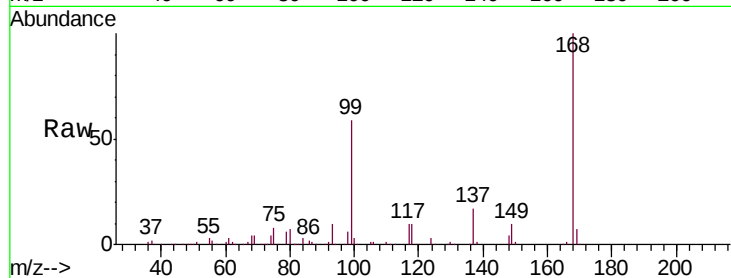
Tgt Ion: 56 Resp: 6249

Ion Ratio Lower Upper

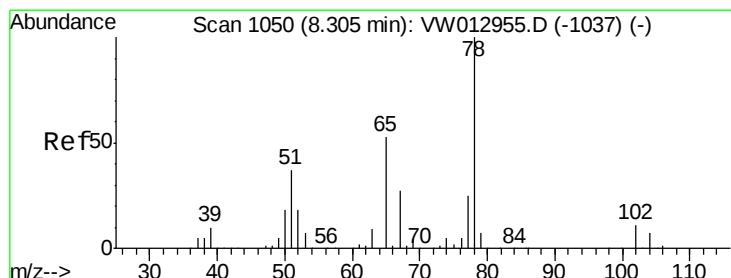
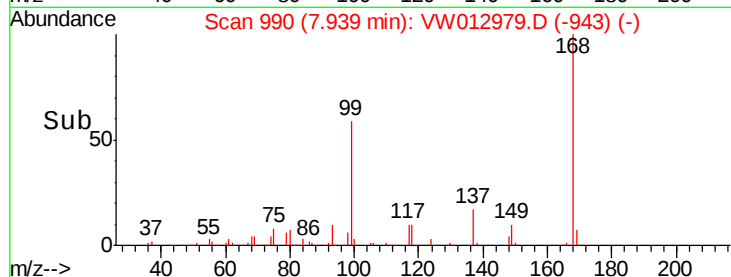
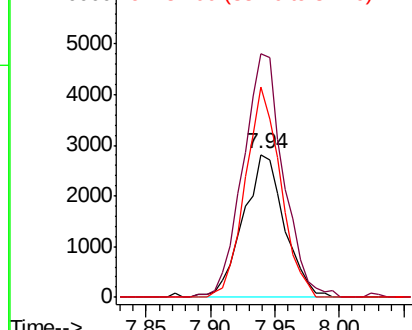
56 100

69 170.5 27.0 40.6#

84 147.0 66.2 99.2#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 56.859 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012979.D

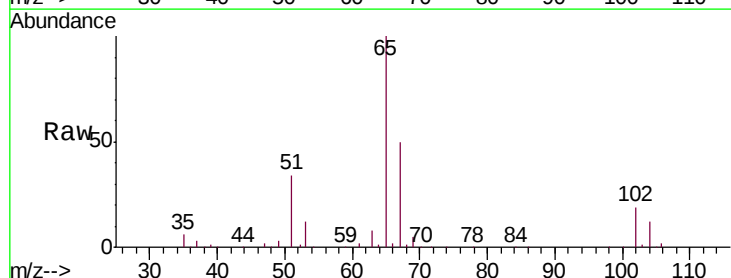
Acq: 14 Sep 2019 02:59

Tgt Ion: 65 Resp: 148506

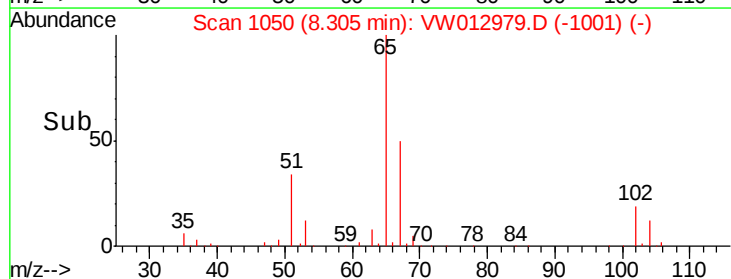
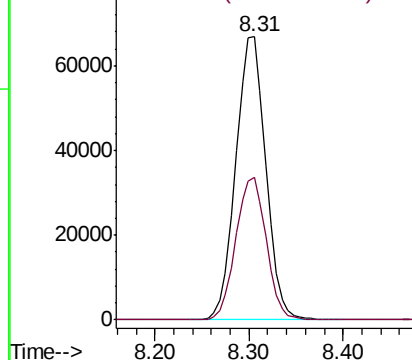
Ion Ratio Lower Upper

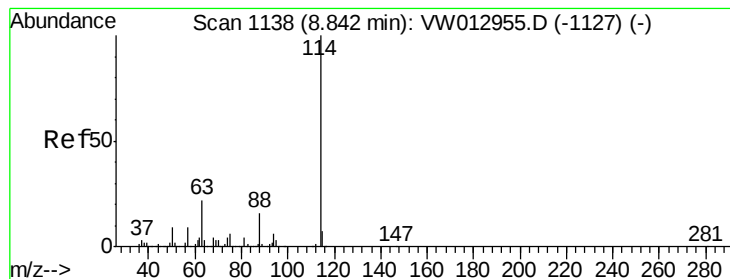
65 100

67 51.0 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012979.D

Acq: 14 Sep 2019 02:59

Instrument :

MSVOA_W

ClientSampleId :

TP3

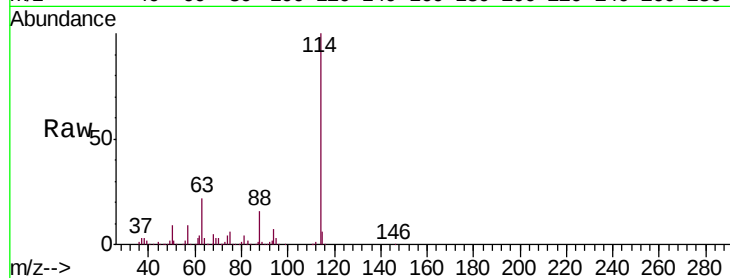
Tgt Ion:114 Resp: 428290

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.4

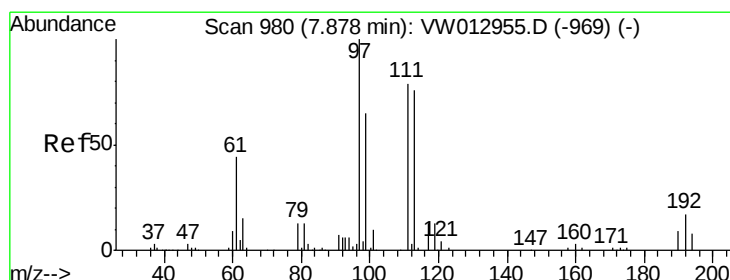
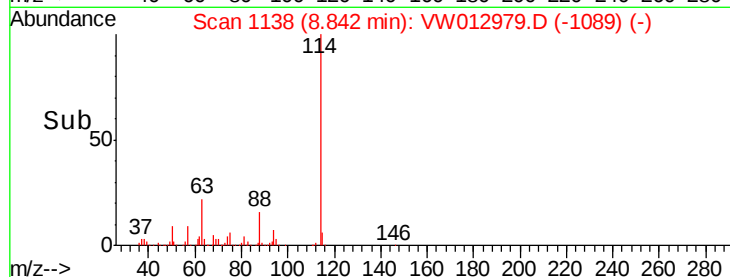
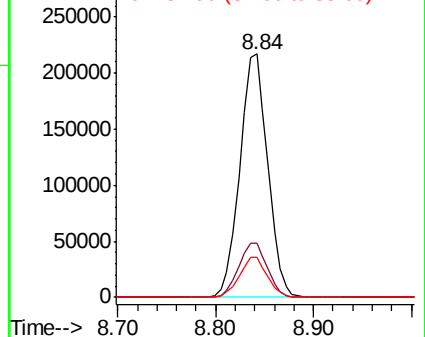
88 16.4 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 54.649 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW012979.D

Acq: 14 Sep 2019 02:59

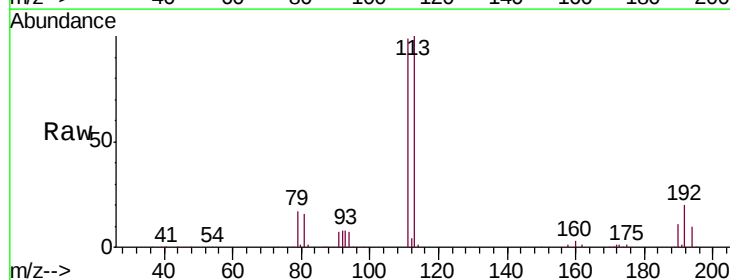
Tgt Ion:113 Resp: 127001

Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

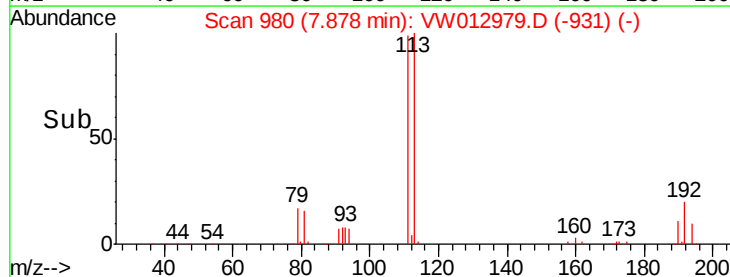
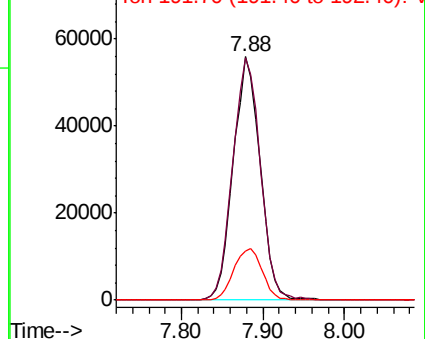
192 22.3 17.8 26.8

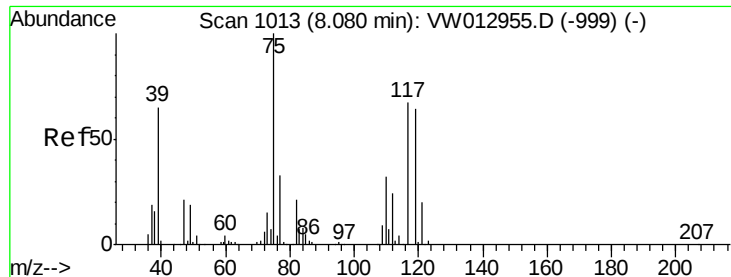


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.161 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012979.D

Acq: 14 Sep 2019 02:59

Instrument :

MSVOA_W

ClientSampled :

TP3

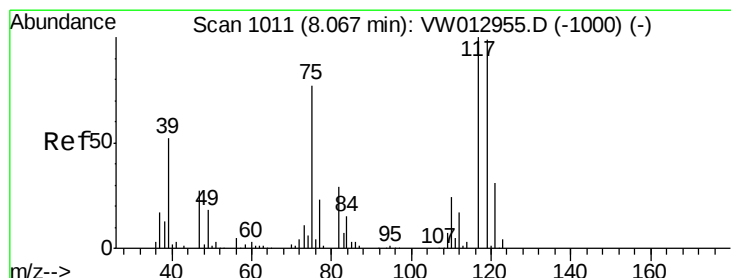
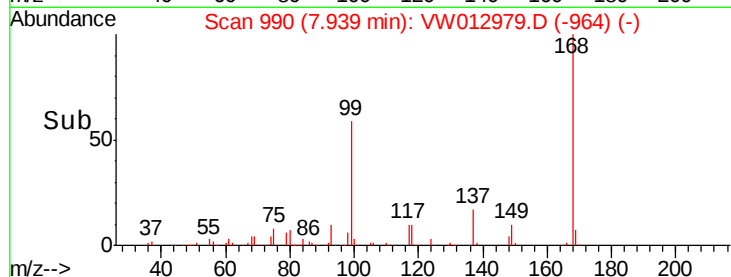
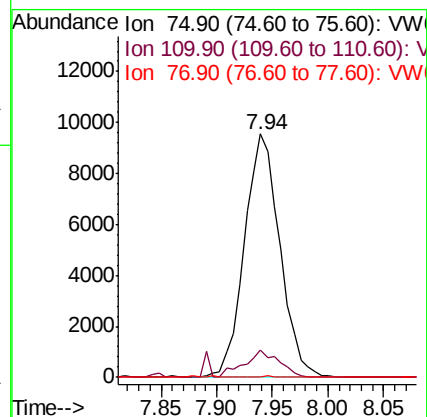
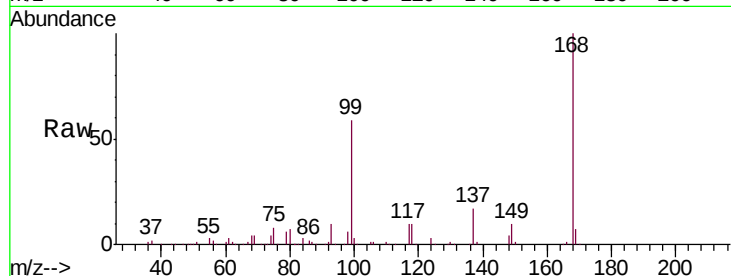
Tgt Ion: 75 Resp: 21086

Ion Ratio Lower Upper

75 100

110 11.0 16.4 49.1#

77 0.1 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 8.024 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012979.D

Acq: 14 Sep 2019 02:59

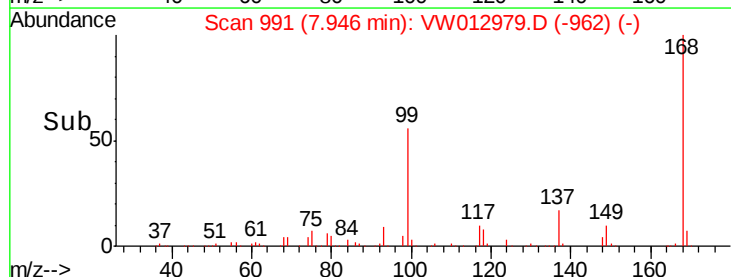
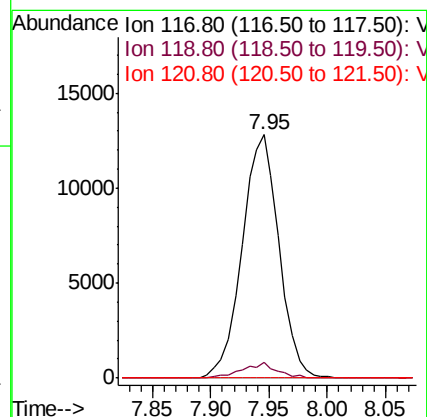
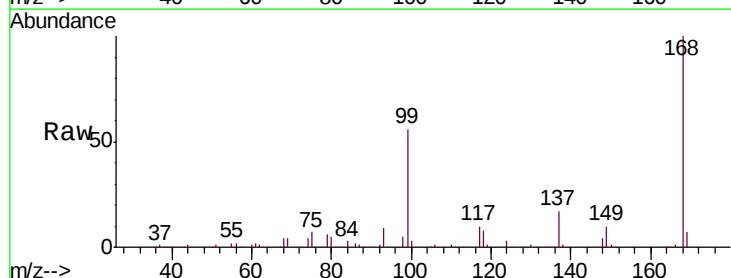
Tgt Ion: 117 Resp: 28142

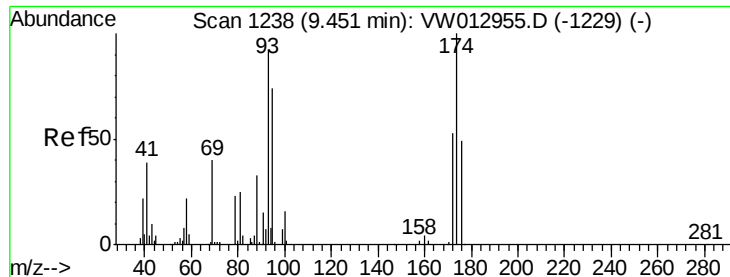
Ion Ratio Lower Upper

117 100

119 6.3 79.4 119.0#

121 0.0 24.6 36.8#





#49

1,4-Dioxane

Concen: 1.374 ug/l

RT: 9.59 min Scan# 1260

Delta R.T. 0.13 min

Lab File: VW012979.D

Acq: 14 Sep 2019 02:59

Instrument :

MSVOA_W

ClientSampleId :

TP3

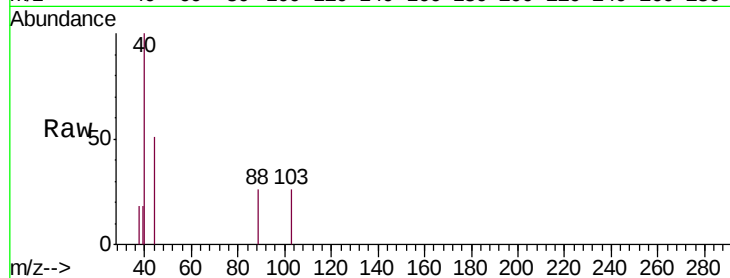
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 0.0 31.3 46.9#

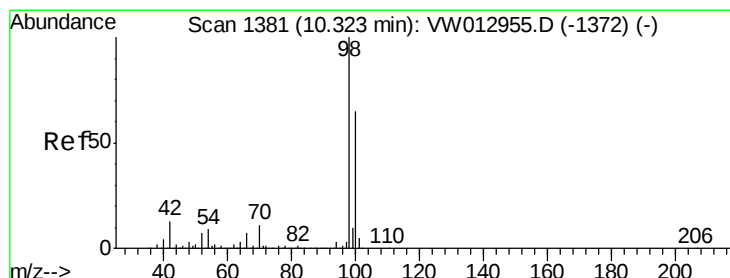
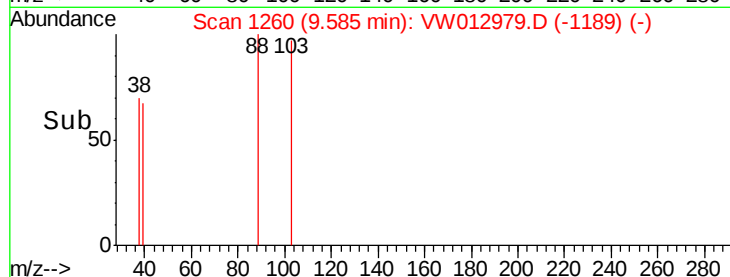
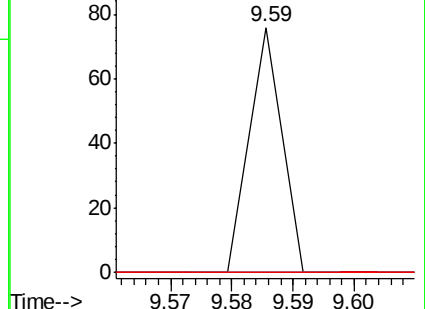
58 0.0 60.2 90.2#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 55.215 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012979.D

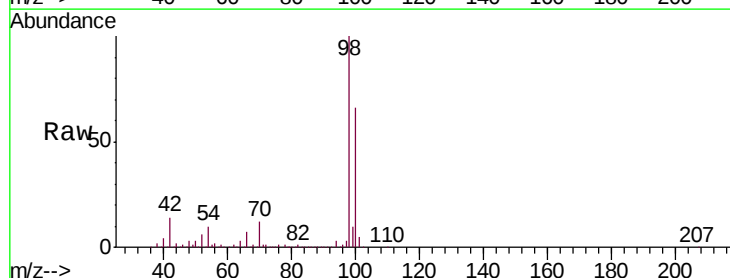
Acq: 14 Sep 2019 02:59

Tgt Ion: 98 Resp: 502121

Ion Ratio Lower Upper

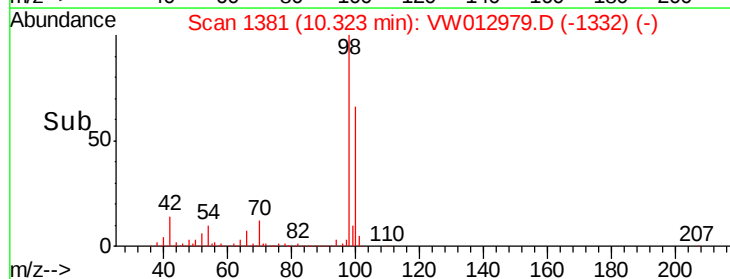
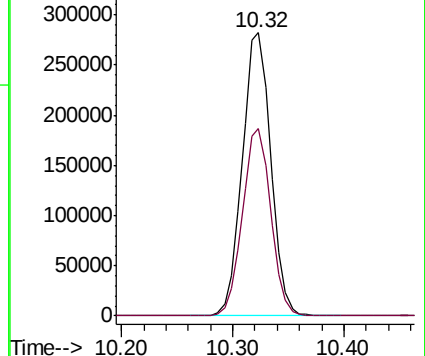
98 100

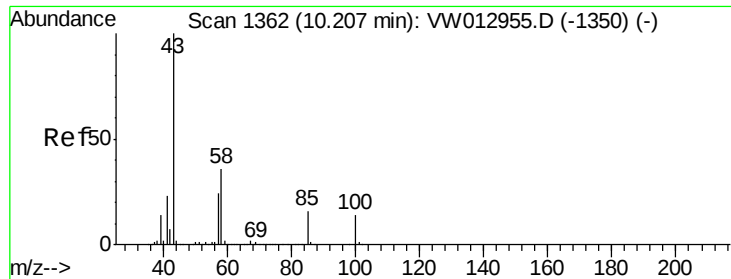
100 65.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

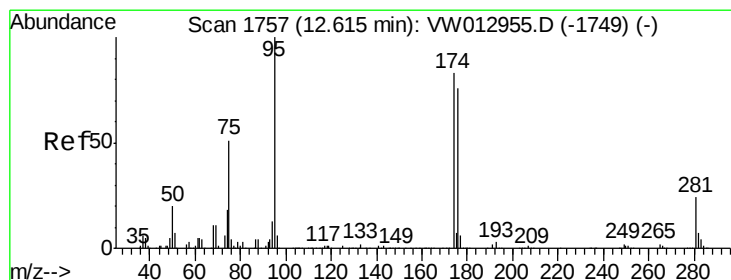
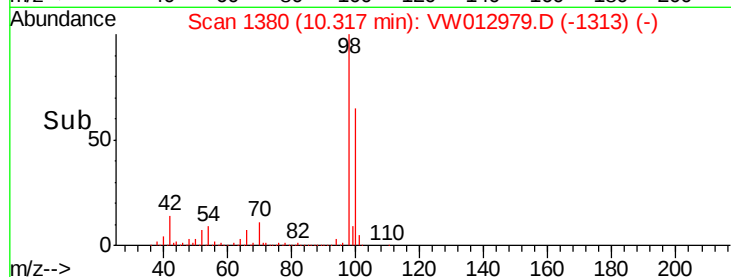
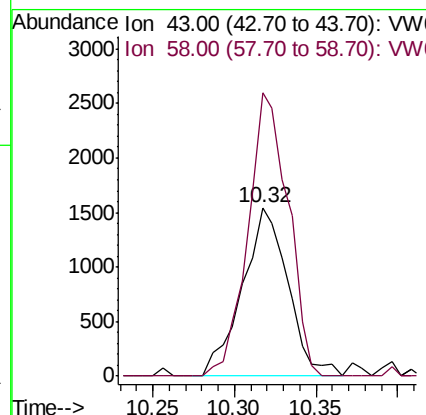
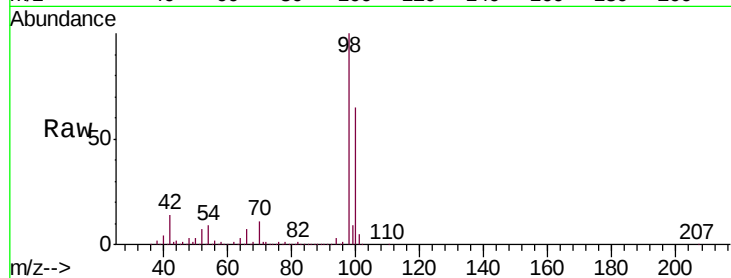




#51
 4-Methyl-2-Pentanone
 Concen: 1.668 ug/l
 RT: 10.32 min Scan# 1380
 Delta R.T. 0.11 min
 Lab File: VW012979.D
 Acq: 14 Sep 2019 02:59

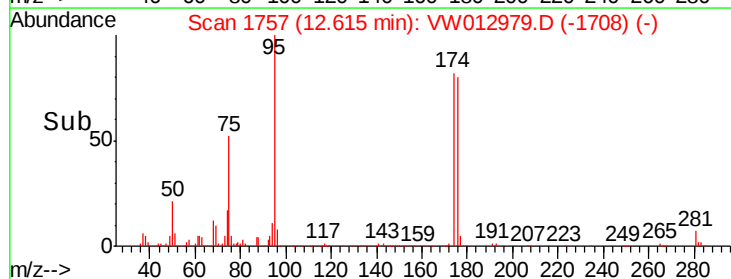
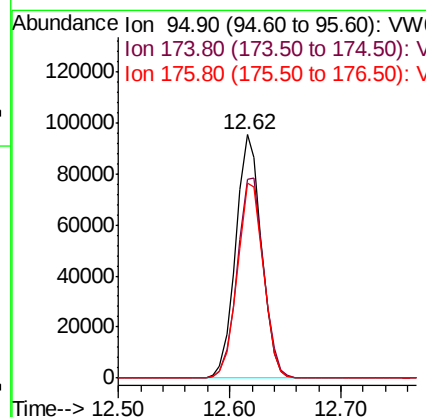
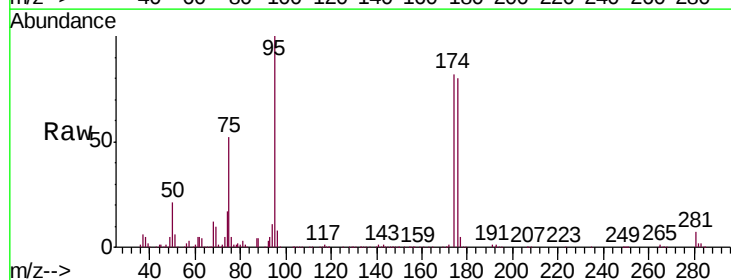
Instrument :
 MSVOA_W
 ClientSampleId :
 TP3

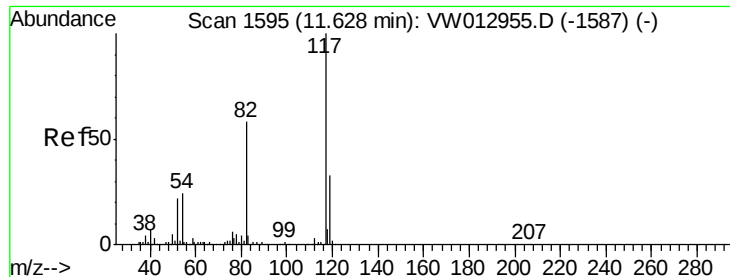
Tgt Ion: 43 Resp: 3004
 Ion Ratio Lower Upper
 43 100
 58 148.6 29.5 44.3#



#62
 4-Bromofluorobenzene
 Concen: 46.494 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012979.D
 Acq: 14 Sep 2019 02:59

Tgt Ion: 95 Resp: 152034
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 170.4
 176 81.3 0.0 164.6

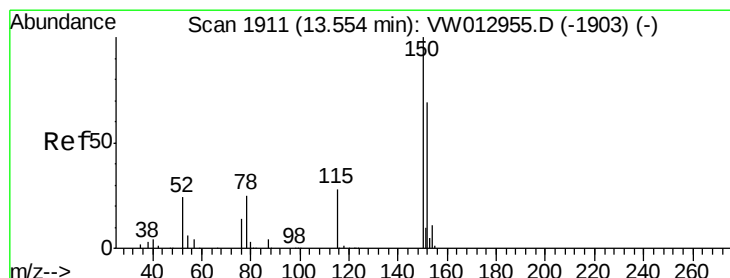
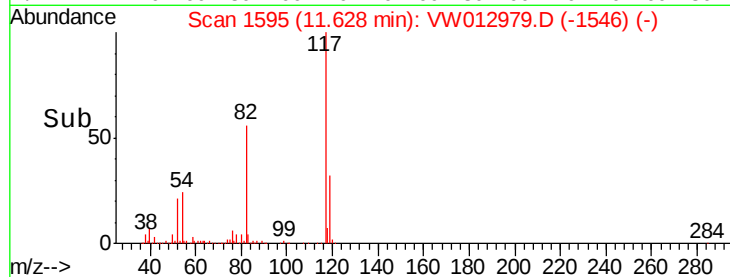
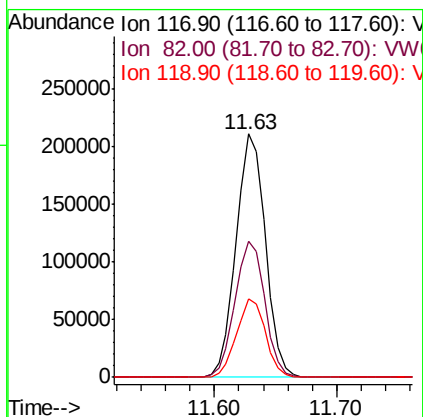
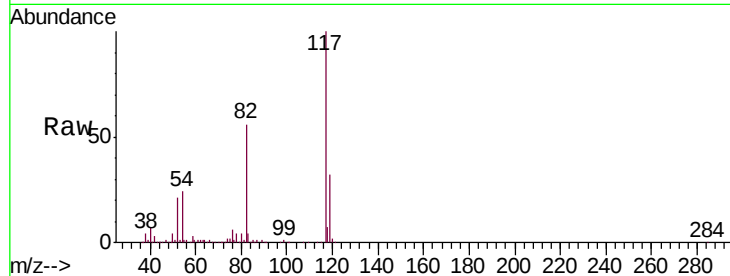




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW012979.D
Acq: 14 Sep 2019 02:59

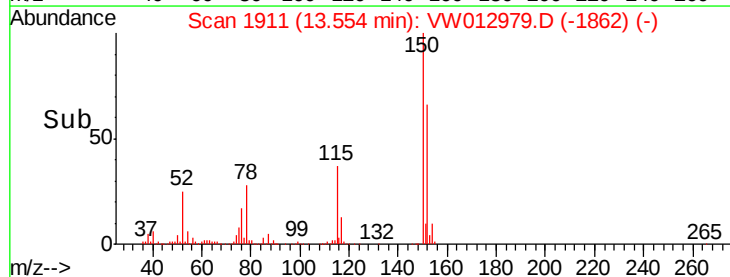
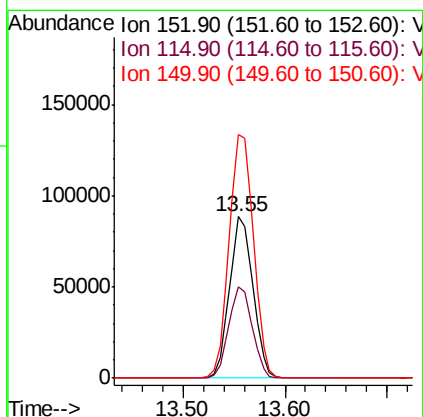
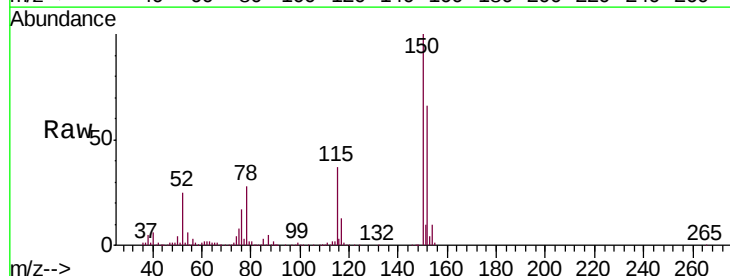
Instrument :
MSVOA_W
ClientSampled :
TP3

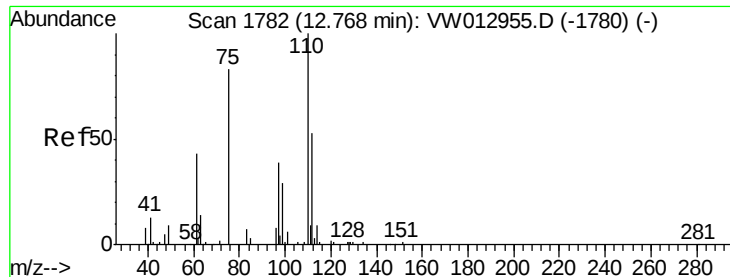
Tgt Ion:117 Resp: 351216
Ion Ratio Lower Upper
117 100
82 56.0 46.3 69.5
119 32.1 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW012979.D
Acq: 14 Sep 2019 02:59

Tgt Ion:152 Resp: 140297
Ion Ratio Lower Upper
152 100
115 56.8 28.8 86.4
150 156.7 0.0 340.2

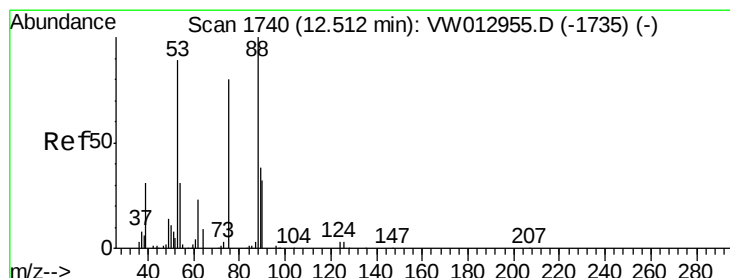
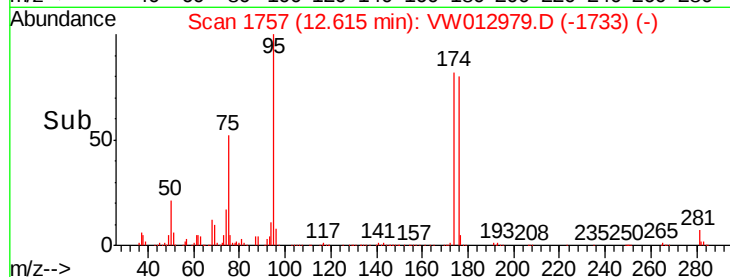
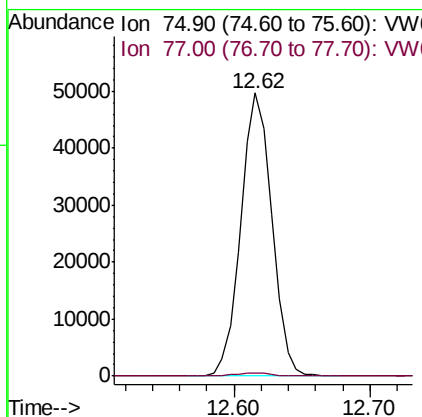
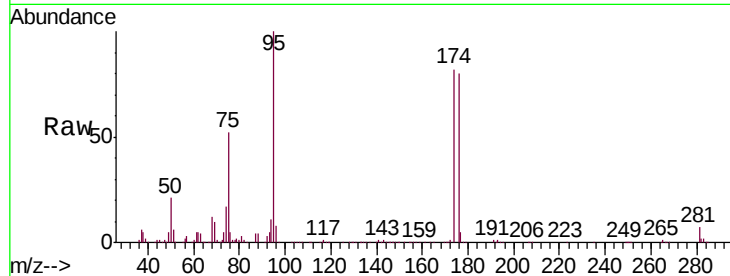




#76
 1,2,3-Trichloropropane
 Concen: 64.300 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012979.D
 Acq: 14 Sep 2019 02:59

Instrument :
 MSVOA_W
 ClientSampled :
 TP3

Tgt Ion: 75 Resp: 79018
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.864 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012979.D
 Acq: 14 Sep 2019 02:59

Tgt Ion: 75 Resp: 79018
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.6 128.4#
 89 0.1 37.2 55.8#

